

# BERNARDO RAGONEZI SILVA LOPES

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## I - PERSONAL DATA

- Place of Birth: Belo Horizonte - MG
- Nationality: Brazilian
- Date of Birth: November 11, 1996

## III - EDUCATION

- Bachelor's degree in computer engineering at PUC-MG - 2020 to 2024.
- Electrical Engineering at CEFET -MG 07/2015 to 12/2019 - not finalized.
- Complete integrated technical education in electronics at Colégio Técnico da UFMG (COLTEC) - 2012 to 2014.

## IV - PROFESSIONAL EXPERIENCE

- Senior Data Engineer at Crosby Health - Dec 2024 to date.
  - First engineer in the data team, I've created standards and process for a data driven culture. Migrated infrastructure from AWS to GCP with terraform. Deployed Airflow and Metabase in GKE. Built and maintained pipelines using Kubernetes operators. Designed the data lake using GCS and Big Query. Created multiple integrations between clients, suppliers and internal with FastAPI.
- Senior Data Engineer at Anchor Loans - December 2023 to December 2024.
  - Responsible for improving data infrastructure using Kubernetes for hosting tools such as Airflow and creating ETL pipelines using Object Orientated python classes and design patterns.
- Senior Data Engineer at Terramagna - May 2022 to November 2023.
  - Support business teams with the creation of data pipelines. Using airflow for orchestration, and python or pyspark for ingestion, and DBT for data transformation. Structuring a datalake to store and provide business value with scalability and security. Define standard data ingestion tools to be used in the data platform such as nifi and airbyte. Create template functions to accelerate development time. Build github actions pipelines for CI/CD.
- Cloud Data Engineer at Qvestrade - September 2021 to May 2022.
  - Creation and maintenance of a data platform, using GCP cloud resources with Terraform for high processing and scalability. Data ingestion and processing in streaming or batch. Programming in apache beam and Kafka for streaming pipelines and Spark for batch

pieplines. Deploy of Astronomer platform in GKE cluster, and resources monitoring with Datadog. Creation of CI/CD pipelines in GitLab.

- Data Engineer at Inter - September 2020 to August 2021.
  - Creation and maintenance of big data pipelines, using AWS cloud resources for high processing and scalability. Data ingestion and processing in streaming or batch. Programming in PySpark to work with an enormous quantity of data in parallel on EMR clusters.
- Business Intelligence Analyst at Syngenta Digital - February 2020 to September 2020.
  - Use of Python and Pentaho to create ETLs, involving different data sources such as MySQL, MongoDB, Salesforce. Using Tableau to create interactive dashboards, and generate value and intelligence for customers and internal managers. AWS cloud to store and process data. APEX programming to generate automations and layouts inside Salesforce.
- Business Intelligence Inter at Strider Agro - August 2019 to February 2020.
  - Data treatment through Python; Integrating systems via API; Creation of Dashboards for strategic data analysis in Tableau. Continuous improvement in Salesforce environment.
- Network intern at Prodemge - May 2017 to February 2018.
  - Support in dealing with internal and external network incidents, implementation and support in wireless networks, and optimization of network topologies.

## V -EXTRACURRICULAR COURSES

- Data Science For All(DS4A) Empowerment Program
- Bootcamp Full Stack Developer -IGTI
- Data Enginner Acceleration Program - DataSprints
- Bootcamp Cloud Computing Architect - IGTI
- Apache Airflow provided by Astronomer

## VI - ADDITIONAL INFORMATION

- Languages: English and Portuguese
- Experience in AWS and GCP cloud environments, and with complex data pieplines tools such as Nifi, Airflow, Kafka, Spark, Apache Beam. I have built cloud environments through IaC(Infrastructre as code) using terraform.
- Hard skills:

GCP	AWS	Python
Apache Airflow	Kubernetes	Terraform
DBT	SQL	Apache Spark
Nifi	Tableau	Apache Kafka
Docker	Git	NoSQL
FastAPI	Metabase	JavaScript